

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 05/31/2022 09:26 AM
Cytometer Baseline: 01/20/2022 09:34 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 32272 **Expiration Date:** 09/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125549	0	1.77	125497	1.72
Blue	F	SSC	125000	123875	-1	3.15	124319	3.01
Blue	E	FITC	13602	13265	-3	2.56	370	13.74
Blue	D	PE	24891	24620	-2	1.95	585	10.87
Blue	B	PerCP-Cy5-5	33972	33204	-3	3.22	945	15.05
Blue	A	PE-Cy7	22865	22605	-2	5.07	469	30.74
Red	C	APC	47198	46544	-2	2.67	1608	11.56
Red	A	APC-Cy7	26454	25888	-3	3.02	732	12.21
Violet	B	V450	6737	6388	-6	4.22	445	12.16
Violet	A	V500	29317	27992	-5	3.76	957	9.02

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24116	3.12	567	32	N/A	N/A	Pass
Blue	F	SSC	55498	2.47	522	1	N/A	N/A	Pass
Blue	E	FITC	55	57.02	490	6	0.0439	220	Pass
Blue	D	PE	114	38.92	493	7	0.3430	253	Pass
Blue	B	PerCP-Cy5-5	148	42.77	586	7	0.0199	108	Pass
Blue	A	PE-Cy7	80	82.07	629	8	0.0225	11	Pass
Red	C	APC	337	26.47	575	3	0.0280	227	Pass
Red	A	APC-Cy7	137	35.11	553	2	0.0066	1604	Pass
Violet	B	V450	76	48.14	453	3	0.0467	1909	Pass
Violet	A	V500	114	33.23	473	4	0.0223	992	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.64 - 71.46	N/A	N/A	-32.11	-31.93	0.99
Blue	20.37	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	16.52	13.90 - 20.86	N/A	N/A	30.30	30.52	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 10327

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments